



**U.S. Army Corps
of Engineers**

US - Foreign Vessel Movement and Trade Based Cargo Data

July 7th, 2005
Doug McDonald



**U.S. Army Corps
of Engineers**

Vessel Movement Data

- **Scope: Vessels Engaged in U.S. - Foreign Commerce**
- **Downloaded Weekly from US Customs and Border Protection (CBP)**
- **Partnership with Maritime Administration (Marad) and CBP**
- **Data Are Input into Both Integrated Official WBCUS and Trade-based Products**
- **Data sets are not confidential per 19 CFR 4.95 “These [entrance and clearance records] shall be open to public inspection.”**



U.S. Army Corps
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Vessel Movement and Characteristic Files

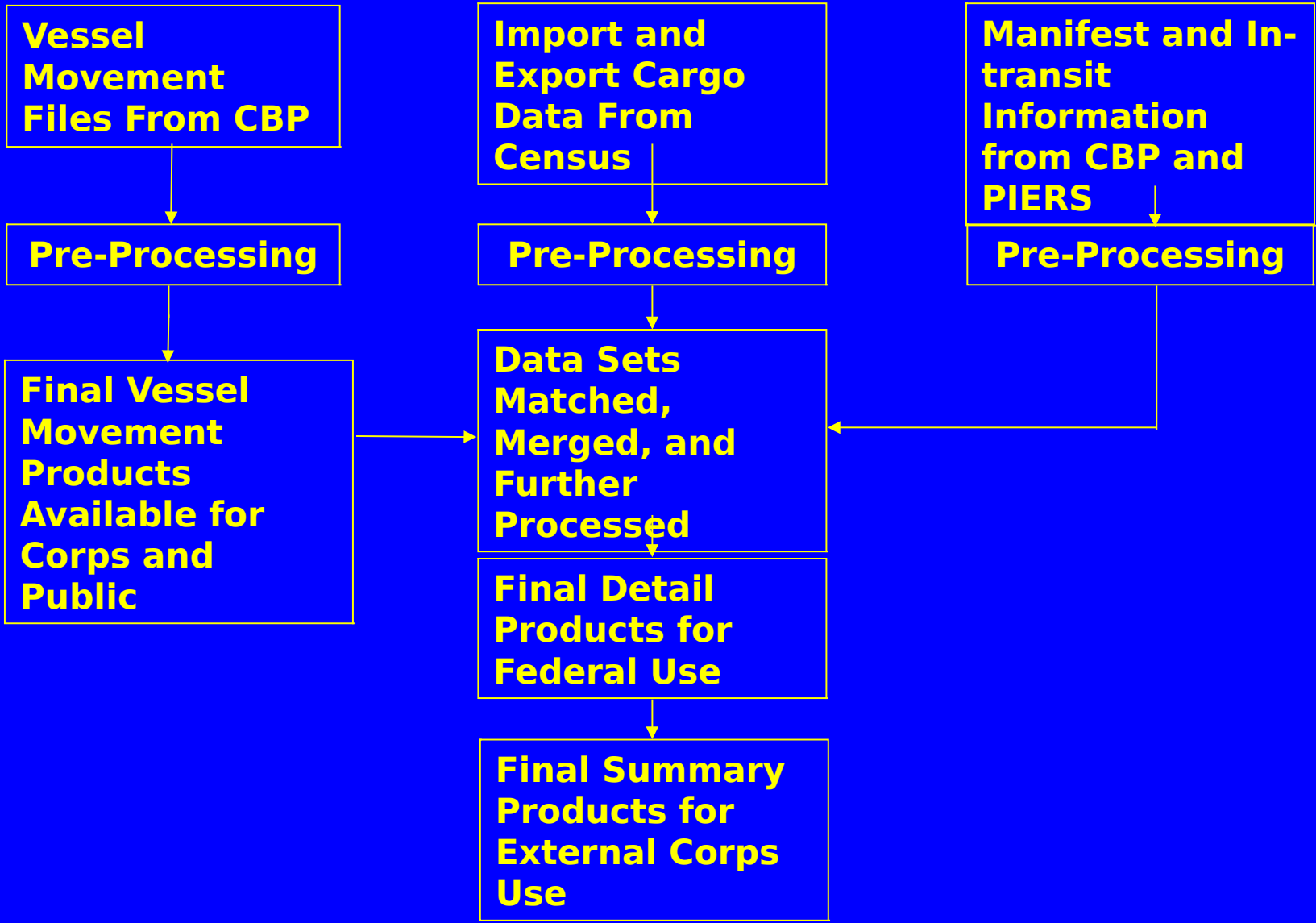
- **Monthly Files Available through Marad 60 Days after End of Data Month**
- **Annual Data Sets Also Available**
- **Approximately 15,000 Records a Month or 180,000 Records a Year**

• Port of Arrival/Departure	Vessel Name
Date of Arrival/Departure	Vessel Call Sign
Shipping Agent	IMO
Cargo Type Load/Discharge Indicator	GRT
Sailing Draft	NRT
Next/Last Port of Call	Vessel Owner
Crew	Vessel Operator
Passenger Capacity	Flag of Registry
Passengers Embarking/Disembarking	Dock of Arrival/Departure



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Trade Based Product Monthly Production





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Trade Based Cargo Data

- **Main Import Data Sources**
 - **Electronic - ABI**
 - **Paper - CF7501**
 - **Foreign Trade Zones**
 - **Louisiana Offshore Oil Platform (LOOP)**
- **Main Export Data Sources**
 - **Electronic - AES**
 - **Paper - Form 7525 (Phased out with New Census regulations)**
- **Available to Corps from Census 60 Days after the End of the Data Month**
- **Processing Programs and Procedures Redeveloped in 2004**
- **Public Products Distributed through Marad**



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Other Inputs into Trade-Based Annual Files

Data Used for Verification and to Fill Gaps

- **PIERS Data**
- **Manifest Data - CBP's Automated Manifest System (AMS)**
- **Docks Receipts**
- **Port Authority Data**
- **In-transit Data from SED ENG Form 7513, PIERS and AMS**
- **Inputs from These Sources Are Used for Correction and Completion of Annual Trade Based Files.**



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Confidential Data Files Detail Data Sets

- **Approximately 20 Million Records per Year**
- **Only Released to Other Government Agencies**
- **Import information - Requires MOU with CBP**
 - **Subject to 15 CFR 30.90 - Import information on file with the**
Census Bureau may not be released without authorization from CBP
- **Export Information - Requires MOU with Census**
 - **Subject to 15 CFR 30.91 - Census export information is confidential**
 - **Title 13, Chapter 9, Sec. 301 of US Code - Export information**
exempt from public disclosure
- **Agency Must Provide and Demonstrate Proper Data Safeguard Measures**



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Waterborne Databanks Public Use Files

- **Monthly Files Available through Marad - 90 Day Lag**
- **Annual Data Sets Available 6 to 9 Months After End of Data Year**
- **Fields Available**
 - **Vessel Type of Service (Liner, Tanker, Tramp)**
 - **U.S. and Foreign Port of load/unload**
 - **Country of Origin and Destination**
 - **HS and SITC Commodity Descriptions**
 - **Value in U.S. Dollars and Weight in Kilograms**
 - **Insurance and Freight Costs - (Imports Only)**
 - **Containerized Value and Weight**
- **Approximately 300,000 records Per Month**
- **Approximately 1.5 Million Records for Annual Set (No Monthly detail)**



**U.S. Army Corps
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Preliminary Monthly Products and Examples of Special Reports

Top20 Countries for Container Imports - 2003

<u>CTRY_NAME</u>	<u>Containerized Value</u>
CHINA	\$118,370,833,507
JAPAN	\$47,214,404,262
TAIWAN	\$17,328,216,392
GERMANY	\$17,270,833,045
ITALY	\$11,987,862,285
SOUTH KOREA	\$11,740,089,255
THAILAND	\$9,690,955,236
UNITED KINGDOM	\$8,625,776,078
FRANCE	\$8,420,581,763
MALAYSIA	\$7,842,228,490
BRAZIL	\$7,224,502,520
INDONESIA	\$6,605,156,332

Announcement U.S. Foreign Waterborne Transportation Statistics

April 6, 2005

The U.S. Army Corps of Engineers today released the October 2004 preliminary U.S. foreign waterborne transportation statistics. These statistics are based on the U.S. Bureau of the Census trade data matched to the U.S. Customs vessel entrances and clearances, enhanced by the U.S. Maritime Administration. Year-to-date figures through October 2004 show an increase in volume of 7% for imports and an increase of 8% for exports over the same time period for 2003. The following cargo summary contains value and weight information by type of service on U.S. waterborne imports and exports for October 2004, along with year-to-date figures. Inbound and outbound in-transit data are not included.

Preliminary U.S. Foreign Waterborne Cargo Summary – October 2004 Value (millions of dollars) and Weight (thousands of metric tons)

Type of Service	Imports		Exports ¹		Total ²	
	October	Year-to-Date	October	Year-to-Date	October	Year-to-Date
Liner Value	33,904	315,100	12,819	119,973	46,723	435,073
Liner Weight	8,757	-----	-----	-----	-----	-----
Tanker Value	16,829	-----	-----	-----	-----	-----
Tanker Weight	53,854	-----	-----	-----	-----	-----
Tramp Value	17,253	-----	-----	-----	-----	-----
Tramp Weight	20,848	-----	-----	-----	-----	-----
Total Value	68,087	-----	-----	-----	-----	-----

Top 10 commodity Exports by Weight - 2003

<u>Commodity</u>	<u>Metric Tons</u>
MAIZE (NOT INCLUDING SWEET CORN) UNMILLED, NO SEED	37,243,773
BITUMINOUS COAL, PULVERIZED OR NOT, NOT AGGLOMER	29,632,681
SOYBEANS	28,043,240
WHEAT (INCLUDING SPELT) AND MESLIN, UNMILLED, NES	23,334,839
PETROLEUM COKE	23,064,694
LIGHT OILS FROM PETROL & BITUM MINERALS NES ETC	17,008,639
FERTILIZERS (EXPORTS ONLY; INCLUDES GROUP 272)	13,493,723
GASOLINE INCLUDING AVIATION (EXCEPT JET) FUEL	7,992,293
FERROUS WASTE AND SCRAP, N.E.S.	7,121,725
COAL, N.E.S., PULVERIZED OR NOT, NOT AGGLOMERATED	6,384,849



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Foreign Ports Receiving Cargo From Baltimore - 2003

<i>Foreign Port</i>	<i>Country</i>	<i>US DOLLARS</i>
Bremerhaven	Germany	\$782,868,151
Antwerp	Belgium	\$630,525,338
Liverpool	United Kingdom	\$385,245,079
Zeebrugge	Belgium	\$314,342,385
Jiddah	Saudi Arabia	\$214,308,872
All Other Spain Atlantic Region	Spain	\$169,926,453
Kuwait	Kuwait	\$148,128,745
Sao Paulo	Brazil	\$116,797,712
Savona	Italy	\$103,889,901
Melbourne	Australia	\$93,818,223

Source: 2003 Preliminary Waterborne Databanks



U.S. Army Corps of Engineers

Container Imports by Value - 2003

<i>Country</i>	<i>Containerized Value</i>
CHINA	\$118,370,833,507
JAPAN	\$47,214,404,262
TAIWAN	\$17,328,216,392
GERMANY	\$17,270,833,045
ITALY	\$11,987,862,285
SOUTH KOREA	\$11,740,089,255
THAILAND	\$9,690,955,236
UNITED KINGDOM	\$8,625,776,078
FRANCE	\$8,420,581,763
MALAYSIA	\$7,842,228,490
BRAZIL	\$7,224,502,520
INDONESIA	\$6,605,156,332
INDIA	\$6,276,464,829
HONG KONG	\$5,289,663,532
NETHERLANDS	\$4,003,519,803
PHILIPPINES	\$3,916,147,955
Viet Nam	\$3,740,221,746
DOMINICAN REPUBLIC	\$3,555,166,106
AUSTRALIA	\$3,351,801,090
SPAIN	\$3,284,174,139

Source: 2003 Preliminary Waterborne Databanks



U.S. Army Corps
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New York Foreign Traffic by Vessel Type January 2005

<i>Ship Type (ICST)</i>	<i>CountOfICST_CD_DESC</i>
CONTAINER	389
OTHER TANKER	56
CRUDE OIL TANKER	55
OTHER BULK CARRIER	53
CRUDE/PRODUCTS TANKER	44
OTHER RO-RO CARGO	42
VEHICLE CARRIER	41
OTHER GENERAL CARGO	38
OTHER PASSENGER	8
OTHER BULK/OIL CARRIER	7

Source: January 2005 Vessel Movement File



U.S. Army Corps of Engineers

Announcement U.S. Foreign Waterborne Transportation Statistics

June 20, 2005

The U.S. Army Corps of Engineers today released the January 2005 preliminary U.S. foreign waterborne transportation statistics. These statistics are based on the U.S. Bureau of the Census trade data matched to the U.S. Customs vessel entrances and clearances. Year-to-date figures through January 2005 show an increase in volume of 10% for imports and an increase in volume of 4% for exports over the same time period for 2004. The following cargo summary contains value and weight information by type of service on U.S. waterborne imports and exports for January 2005, along with year-to-date figures. Inbound and outbound in-transit data are not included.

Preliminary U.S. Foreign Waterborne Cargo Summary – January 2005 Value (millions of dollars) and Weight (thousands of metric tons)

Type of Service	Imports		Exports ¹		Total ²	
	January	Year-to-Date	January	Year-to-Date	January	Year-to-Date
Liner Value	32,632	32,632	11,058	11,058	43,690	43,690
Liner Weight	8,847	8,847	5,575	5,575	14,422	14,422
Tanker Value	14,271	14,271	1,783	1,783	16,054	16,054
Tanker Weight	52,411	52,411	4,232	4,232	56,643	56,643
Tramp Value	15,466	15,466	5,814	5,814	21,280	21,280
Tramp Weight	18,758	18,758	18,978	18,978	37,736	37,736
Total Value	62,370	62,370	18,655	18,655	81,025	81,025
Total Weight	80,016	80,016	28,785	28,785	108,801	108,801

1. Export weight does not include commodities removed from the *Waterborne Databank* due to confidentiality restrictions from the U.S. Bureau of the Census. This restriction has been applied historically, although not always footnoted. Value represents the total for all commodities.
2. Figures in total column may vary due to rounding.

The figures are derived from the *Waterborne Databank*, the U.S. foreign waterborne transportation public summary cargo files, which are available for purchase from the Maritime Administration. *Waterborne Databank* purchase inquiries should be addressed to:



U.S. Army Corps
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www.iwr.usace.army.mil/ndc/usforeign

US Foreign
Waterborne
Transportation
Statistics
Program



US Army Corps
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[Public Notice - Announcement to
Maritime Data users](#)

[Monthly Preliminary Cargo
Summaries](#)

[Revision Notice for 2000](#)

[Scheduled K Classification of
Foreign Ports](#)

[Instructions for the Shipper's
Export Declarations for In-transit
Goods, Form 7513](#)

[Electronic Version of 7513 Form](#)

[Maritime Administration Office of
Statistical & Economical Analysis](#)

[U.S. Army Corps of Engineers,
Navigation Data Center](#)

Comments or Questions Contact:
[WCSC](#)

U.S. Army Corps of Engineers
Waterborne Commerce Statistics
Center P.O. Box 61280
New Orleans, LA 70161-1280
Fax: 504-862-1423
Voice: 504-862-1404

ANNOUNCEMENT TO U.S. MARITIME DATA USERS – April 25, 2003

The Office of Management and Budget designated the U.S. Army Corps of Engineers (Corps) the central collection agency for the U.S. Foreign Waterborne Transportation Statistics program in 1998. At that time the Corps partnered with the Maritime Administration (MarAd) to continue to produce the monthly and annual vessel movement and *Waterborne Databank* datasets previously produced by the U.S. Bureau of the Census (Census). The vessel movement file contains movement and characteristic data on all vessels engaged in U.S. foreign trade and transportation. The *Waterborne Databank* includes cargo data by type of service, U.S. and foreign port, country of origin/destination, commodity, value, weight, and containerized cargo.

Beginning with the calendar year 2003 data, the Corps now generates the monthly *Waterborne Databank* and release of the Preliminary Foreign Waterborne Cargo Summary report on the Corps' web site at <http://www.iwr.usace.army.mil/ndc/usforeign/pcsfiles.htm>, retaining the same format, content, and schedule as provided historically. MarAd will continue in 2003 as the point of contact in distributing the *Waterborne Databank* and the vessel movement data on a reimbursable basis. Special tabulations and customized reports created from these datasets for the private sector should be arranged through MarAd. Contact MarAd at: Office of Statistical and Economic Analysis, U.S. Maritime Administration, 400 Seventh Street, SW, Washington, DC 20590 fax: 202-366-8886; voice: 202-366-2267; e-mail: data@marad.dot.gov

The Corps is now maintaining the *Schedule K, Classification of Foreign Ports by Geographic Trade Area and Country* (Schedule K) pursuant to an agreement with Census. Notification of the 2003 Schedule K will be posted on this web site.

Information on U.S. foreign waterborne transportation statistics and special requests for customized data reports may be directed to:

U.S. Army Corps of Engineers, Institute for Water Resources, Navigation Data Center, 7701 Telegraph Road, Alexandria, VA 22315 fax: 703-428-6047; voice: 703-428-6495; e-mail: CEIWR-NDC.WEBMASTER@usace.army.mil

OR

U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center, P.O. Box 61280, New Orleans, LA 70161-1280 fax: 504-862-1423; voice: 504-862-1424; e-mail: CEIWR-NDCWCSC.WEBMASTER@usace.army.mil



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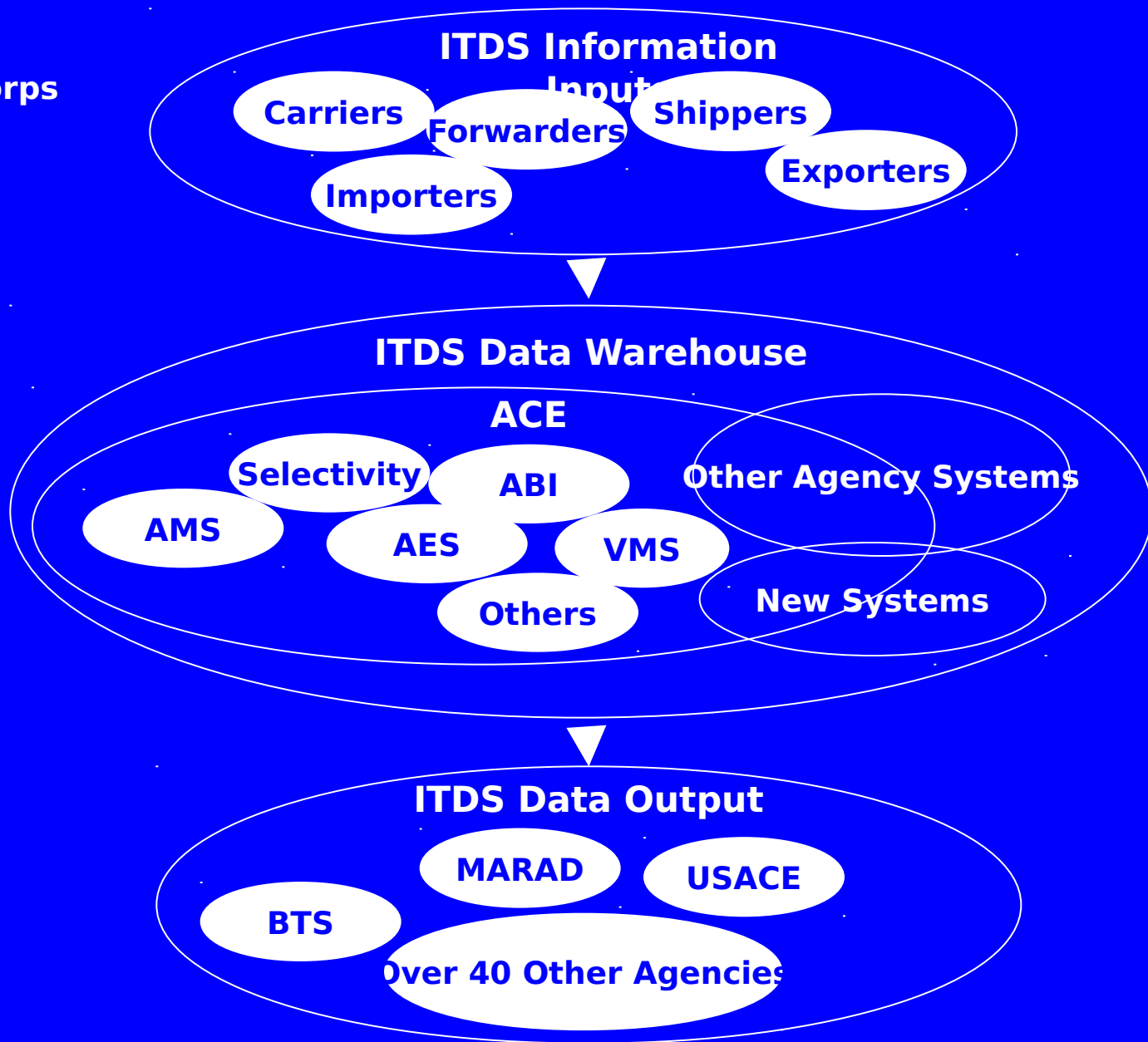
International Trade Data Base System -Automated Commercial Environment (ITDS/ACE) Overview

- **ITDS - Federal Government Technology Initiative Chartered in 1995**
- **ACE - US Customs and Border Protection's Modernization Initiative**
- **ITDS Integrated into ACE to Form ITDS/ACE**
- **ITDS/ACE is a Single Window Concept for Input and Output of Trade and Transportation Data for All Modes**
 - **Improvement of Existing Systems**
 - **Linking of Existing Systems to Facilitate Communication and Information Transfer Among Them**
 - **Better Traceability between Trade and Transportation Transactions**



U.S. Army Corps
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ITDS/ACE Overview - Cont.





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Release 5 of ITDS

- **Programming for Inbound Information Only**
 - **Automated Broker Interface (ABI) enhancements**
 - **Automated Manifest System (AMS) enhancements**
 - **Possible Inclusion of Vessel Arrival Data (VMS)**
- **Uniform Manifest Reporting Across All Modes (MMM)**
- **Manifest and Bill of Lading Information Linked to Shipper Information (Sets the Foundation for Selectivity and Targeting)**
- **New Security Measures Requiring Highly Accurate and Precise Transportation Information**



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Important Benefits to USACE and Other Users of Transportation Data

- **Import Information Linked in ITDS and Available from One Source**
 - **Manifest (MMM) - Precise Cargo Load /Offload Information**
 - **Shipper Information(ABI) - Precise Shipment Value Information**
 - **Vessel Movement - Precise Vessel Arrival and Characteristic Information**
- **More Precise Geography - USACE Dock File or Similar List of Discrete Location Identifiers to be Used (Current Information on Cargo is Provided at the Port Level)**
- **USACE is the Steward of Some of the Reference Files that Will be Used**
 - **Schedule K - Reference of Non-U.S. Seaport Codes**
 - **International Classification of Ships by Type (ICST) - Reference of Ship Types**
 - **Dock Codes - Reference of Docks, Facilities, Piers, and Wharfs**